

**BOD5 LOG****Analysis Date:** 03/06/2019**QC BATCH ID:** LB101212**ANALYST:** Indiana**BOD Water:** WP72303**SUPERVISOR:** apatel**Starch:** W2379**MANGANOUS SULFATE SOLUTION:** W2427**Conc Sulfuric Acid:** W2482**Alkaline Iodide Azide:** W2472**POLYSEED:** WP72304**Sodium Thiosulfate, 0.025N:** WP71781**GGA:** WP72305**NaOH, 0.25N:** WP71104**Chlorine Strips:** W2429**IncubatorID:** Incubator-3**pH Strips:** W2350**Zero DO:** WP72306

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER1     | WINKLER 1 | 1          | 300     | 0.0                  | 8.6                | 8.6        | 8.65    |
| WINKLER2     | WINKLER 2 | 2          | 300     | 8.6                  | 17.3               | 8.7        |         |

Meter Calibration1 : 8.65

Zero DO Reading1 : 0.18 mg/L (&lt;=0.2 Criteria)

**After Incubation**

Meter Calibration2 : 8.65

Zero DO Reading2 : 0.17 mg/L (&lt;=0.2 Criteria)



QC BATCH ID: LB101212

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.9

TIME IN: 12:00

TIME OUT: 12:30

DATE IN: 03/06/2019

DATE OUT: 03/11/2019

| Lab SampleID | Bottle No. | Check CL | Initial PH | Final PH | Temp °C | Sam Vol. (mL) | D.O.1 Initial | D.O.2 Final | Depletion | BOD Result (mg/L) | Avg Result (mg/L) | Comment     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB101212BL   | 1          | No       | 6.0        | N/A      | 20.0    | 300           | 8.63          | 8.62        | 0.01      | 0.01              | 0.01              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 8.52          | 5.95        | 2.57      | 0.51              | 0.55              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 8.50          | 4.40        | 4.1       | 0.55              |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 8.34          | 2.57        | 5.77      | 0.58              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 8.55          | 4.55        | 4         | 172.5             | 172.5             |             |
| GGA          | 2          |          |            |          |         | 6             | 8.58          | 4.60        | 3.98      | 171.5             | 171.5             |             |
| GGA          | 3          |          |            |          |         | 6             | 8.53          | 4.43        | 4.1       | 177.5             | 177.5             |             |
| K1726-01     | 1          | No       | 5.86       | 7.0      | 19.0    | 10            | 8.62          | 8.07        | -         | 0                 |                   | pH Adjusted |
| K1726-01     | 2          |          |            |          |         | 20            | 8.63          | 8.20        | -         | 0                 |                   |             |
| K1726-01     | 3          |          |            |          |         | 50            | 8.72          | 8.06        | -         | 0                 |                   |             |
| K1726-01     | 4          |          |            |          |         | 200           | 9.54          | 8.11        | -         | 0                 |                   |             |
| K1726-01DUP  | 1          | No       | 5.86       | 7.0      | 19.0    | 10            | 8.61          | 8.06        | -         | 0                 |                   | pH Adjusted |
| K1726-01DUP  | 2          |          |            |          |         | 20            | 8.64          | 8.18        | -         | 0                 |                   |             |
| K1726-01DUP  | 3          |          |            |          |         | 50            | 8.73          | 8.04        | -         | 0                 |                   |             |
| K1726-01DUP  | 4          |          |            |          |         | 200           | 9.56          | 8.10        | -         | 0                 |                   |             |

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

LB 101212

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD530519

WorkList ID : 123024

Date : 03-05-2019 10:48:44

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method   |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|----------|
| 03/06/2019 | Water  | K1726-01 | BOD5 | Cool 4 deg C | NAT104   | P41              | DSN001          | 03/04/2019   | SM5210 B |

Date/Time 03/06/19 10:00  
Received by: LB  
Relinquished by: JP

Date/Time 03/06/19  
Received by: CP  
Relinquished by: 12:30